

OIIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/648,569

DATE: 09/13/2000
 TIME: 18:32:11

ENTERED

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\09132000\I648569.raw

3 <110> APPLICANT: Maxygen ApS
 5 <120> TITLE OF INVENTION: New Interferon Beta-like Molecules
 7 <130> FILE REFERENCE: 2wo2
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/648,569
 C--> 10 <141> CURRENT FILING DATE: 2000-08-25
 12 <160> NUMBER OF SEQ ID NOS: 38
 14 <170> SOFTWARE: PatentIn Ver. 2.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 840
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Homo sapiens
 21 <400> SEQUENCE: 1
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 23 gttcgtgttg tcaacatgac caacaagtgt ctctccaaa ttgctctcct gttgtgcttc 120
 24 tccactacag ctctttccat gagctacaac ttgcttgat tcctacaaag aagcagcaat 180
 25 ttccagtgtc agaagctcct gtggcaattg aatgggaggc ttgaatactg cctcaaggac 240
 26 aggatgaact ttgacatccc tgaggagatt aagcagctgc agcagttcca gaaggaggac 300
 27 gccgcattga ccattctatga gatgtccag aacatctttg ctattttcag acaagattca 360
 28 tctagcactg gctggaatga gactattgtt gagaacctcc tggctaattg ctatcatcag 420
 29 ataaaccatc tgaagacagt cctggaagaa aaactggaga aagaagattt caccagggga 480
 30 aaactcatga gcagtctgca cctgaaaaga tattatggga ggattctgca ttacctgaag 540
 31 gccaaaggag acagtcactg tgcctggacc atagtcagag tggaaatcct aaggaaacttt 600
 32 tacttcatta acagacttac aggttacctc cgaactgaa gatctcctag cctgtgcctc 660
 33 tgggactgga caattgcttc aagcattctt caaccagcag atgctgttta agtgactgat 720
 34 ggctaattga ctgcatatga aaggacacta gaagattttg aaatttttat taaattatga 780
 35 gttattttta tttattttaa tttattttt gaaaataaat tatttttggt gcaaaagtca 840
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 166
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Homo sapiens
 43 <400> SEQUENCE: 2
 44 Met Ser Tyr Asn Leu Leu Gly Phe Leu Gln Arg Ser Ser Asn Phe Gln
 45 1 5 10 15
 47 Cys Gln Lys Leu Leu Trp Gln Leu Asn Gly Arg Leu Glu Tyr Cys Leu
 48 20 25 30
 50 Lys Asp Arg Met Asn Phe Asp Ile Pro Glu Glu Ile Lys Gln Leu Gln
 51 35 40 45
 53 Gln Phe Gln Lys Glu Asp Ala Ala Leu Thr Ile Tyr Glu Met Leu Gln
 54 50 55 60
 56 Asn Ile Phe Ala Ile Phe Arg Gln Asp Ser Ser Ser Thr Gly Trp Asn
 57 65 70 75 80
 59 Glu Thr Ile Val Glu Asn Leu Leu Ala Asn Val Tyr His Gln Ile Asn
 60 85 90 95
 62 His Leu Lys Thr Val Leu Glu Glu Lys Leu Glu Lys Glu Asp Phe Thr
 63 100 105 110
 65 Arg Gly Lys Leu Met Ser Ser Leu His Leu Lys Arg Tyr Tyr Gly Arg
 66 115 120 125

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68 Ile Leu His Tyr Leu Lys Ala Lys Glu Tyr Ser His Cys Ala Trp Thr
69      130      135      140
71 Ile Val Arg Val Glu Ile Leu Arg Asn Phe Tyr Phe Ile Asn Arg Leu
72 145      150      155      160
74 Thr Gly Tyr Leu Arg Asn
75      165
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82 <213> ORGANISM: Artificial Sequence
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85 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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89 ctgctcctgt
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94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
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107 <212> TYPE: DNA
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111 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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118 <210> SEQ ID NO: 6
119 <211> LENGTH: 70
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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132 <211> LENGTH: 70
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
139 <400> SEQUENCE: 7

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140 aggagaagct ggagaaggag gacttcaccc gcggcaagct gatgagctcc ctgcacctga 60
141 agcgctacta 70
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146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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154 catcaaccgc 70
157 <210> SEQ ID NO: 9
158 <211> LENGTH: 70
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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166 caccacactg gactagtgga tccttatcag ttgcgcaggt agccggtcag gcggttgatg 60
167 aagtagaagt 70
170 <210> SEQ ID NO: 10
171 <211> LENGTH: 70
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
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179 aggcgcagtg gctgtactcc ttggccttca ggtagtgca gatgcggcca tagtagcgct 60
180 tcaggtgcag 70
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184 <211> LENGTH: 70
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
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192 ctccctctcc agcttctcct ccagcacggt ctacaggtgg ttgatctggt ggtacacgtt 60
193 ggccagcagc 70
196 <210> SEQ ID NO: 12
197 <211> LENGTH: 70
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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205 gagctggagt cctggcggaa gatggcgaag atgttctgca gcatctcgta gatggtcaga 60
206 gcggcgtcct 70
209 <210> SEQ ID NO: 13
210 <211> LENGTH: 70

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211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
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219 gccacaggag                                     70
222 <210> SEQ ID NO: 14
223 <211> LENGTH: 70
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
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232 ggcgatcttg                                     70
235 <210> SEQ ID NO: 15
236 <211> LENGTH: 70
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
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245 caccagcatc                                     70
248 <210> SEQ ID NO: 16
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258 gcgtttaaac                                     70
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264 <213> ORGANISM: Artificial Sequence
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271 ctggtgtcttc                                     70
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279 <220> FEATURE:
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283 agcagggcga tctggagcag gcacttggtg gtcattggtg cgaagcttaa gtttaaaccg 60
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287 <210> SEQ ID NO: 19
288 <211> LENGTH: 40
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
295 <400> SEQUENCE: 19
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299 <210> SEQ ID NO: 20
300 <211> LENGTH: 32
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
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308 gagctcggta ccaagctttt aagagctgta at 32
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312 <211> LENGTH: 77
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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321 aatccgccag ctgcagc 77
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325 <211> LENGTH: 35
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327 <213> ORGANISM: Artificial Sequence
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336 <210> SEQ ID NO: 23
337 <211> LENGTH: 70
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
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342 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
344 <400> SEQUENCE: 23
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346 aagtagaagt 70
349 <210> SEQ ID NO: 24
350 <211> LENGTH: 31
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/648,569

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Input Set : A:\PTO.txt
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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date